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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Walter L. Miller *et al.*

Serial No.: Rule 60 Continuation of 07/480,745 Examiner: Not Determined

Filing Date: On even date herewith Group Art Unit: 182

Title: BOVINE GROWTH HORMONE

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please amend the specification as follows:

At page 19, at the end of the text, please add the paragraph:

a'

--Plasmid pBP348, containing bovine growth hormone encoding sequences, and transfected into *E. coli* strain X1776, has been deposited at the American Type Culture Collection, Rockville, MD, on 26 August 1980, and has ATCC No. 31686.--

On page 3, before "Detailed Description of the Invention", please add:

--Brief Description of the Drawings

Figure 1 is the DNA sequence of the DNA insert in pBP348 encoding bovine pregrowth hormone and the deduced amino acid sequence of the encoded protein.

Figure 2 shows results of gel electrophoresis of extracts from *E. coli* transformed with pBP348.--

Please amend the claims as follows:

Please cancel claims 2-16 without prejudice.

1. (Amended) A recombinant DNA molecule which comprises a [deoxynucleotide] nucleotide sequence [coding for] encoding bovine growth hormone comprising the amino acid sequence at positions 2-191 of Figure 1 and allelic variants thereof, said encoding nucleotide sequence contained in an expression system effective in producing said encoded bovine growth hormone in a recombinant host cell.

Please add the following claims:

17. A recombinant host cell modified to contain the DNA molecule of claim 1.

18. A method to produce bovine growth hormone which method comprises culturing the cells of claim 17 under conditions wherein the encoding nucleotide sequence is expressed to produce said bovine growth hormone; and

recovering the bovine growth hormone from the culture.